

What is claimed is:

[Claim 1] 1. A peripheral device capable of being connected to an interface port on an electronic device host, the peripheral device comprising:

a housing;

an application module positioned at least partially inside the housing;

a storage module positioned inside the housing for storing a device driver of the application module and a firmware that can drive the storage module to simulate an autorun function of an optical disc drive; and

a hub controller positioned inside the housing, the hub controller being electrically connected to the application module and the storage module; wherein when the hub controller is electrically connected to the interface port, the electronic device host is capable of retrieving the device driver stored by the storage module and running the device driver to operate the application module.

[Claim 2] 2. The peripheral device of claim 1 further comprising a power controller electrically connected to the storage module and the application module for controlling whether a predetermined voltage is delivered to the storage module to enable the storage module and controlling whether the predetermined voltage is delivered to the application module to enable the application module.

[Claim 3] 3. The peripheral device of claim 2 wherein when the hub controller starts to operate, the power controller delivers a predetermined voltage to the storage device and stops delivering the predetermined voltage to the application device.

[Claim 4] 4. The peripheral device of claim 3 wherein if the firmware detects that the electronic device host comprises a driver, the firmware can

send a control signal to the power controller for driving the power controller to deliver the predetermined voltage to the application device.

[Claim 5] 5. The peripheral device of claim 3 wherein if the firmware doesn't detect that the electronic device host comprises a driver, the firmware can drive the storage device to execute the autorun function to install the driver of the electronic device host.

[Claim 6] 6. The peripheral device of claim 5 wherein if the driver is installed in the electronic device host, the firmware can send a control signal to the power controller for driving the power controller to deliver the predetermined voltage to the application device.

[Claim 7] 7. The peripheral device of claim 2 wherein the predetermined voltage is outputted from the electronic device host through the interface port.

[Claim 8] 8. The peripheral device of claim 1 wherein the interface port is a CardBus port, and the hub controller is a bridge circuit that is used for bridging a CardBus and a USB.

[Claim 9] 9. The peripheral device of claim 1 wherein the interface port is a CardBus port, and the hub controller is a bridge circuit that is used for bridging a CardBus and an IEEE1394 bus.

[Claim 10] 10. A method of driving a peripheral device, the peripheral device capable of being connected to an interface port on an electronic device host and comprising an application module, a storage module, and a hub controller, and the method comprising:
connecting the peripheral device and the interface port;

enabling the hub controller for controlling data transmission among the application module, the storage module, and the electronic device host; enabling the storage module; simulating an autorun function of an optical disc drive to install the driver of the application device in the electronic device host by having the storage device execute the firmware to drive the storage device for; and running the device driver to operate the application module.

[Claim 11] 11. The method of claim 10 further comprising: controlling whether a predetermined voltage is delivered to the storage module to enable the storage module; and controlling whether the predetermined voltage is delivered to the application module to enable the application module.

[Claim 12] 12. The method of claim 11 wherein the predetermined voltage is outputted from the electronic device host through the interface port.

[Claim 13] 13. The method of claim 11 further comprising: delivering the predetermined voltage to the storage device and stopping delivering the predetermined voltage to the application device when the hub controller starts.

[Claim 14] 14. The method of claim 13 further comprising: starting to deliver the predetermined voltage to the application device after the firmware detects that the electronic device host comprises the driver.

[Claim 15] 15. The method of claim 13 further comprising: driving the storage device to execute the autorun function for installing the driver in the electronic device host if the firmware doesn't detect that the electronic device host comprises the driver.

[Claim 16] 16. The method of claim 13 further comprising:
starting to deliver the predetermined voltage to the application device after the driver is installed in the electronic device host.

[Claim 17] 17. The method of claim 10 wherein the interface port is a CardBus port, and the hub controller is a bridge circuit that is used for bridging a CardBus and a USB.

[Claim 18] 18. The method of claim 10 wherein the interface port is a CardBus port, and the hub controller is a bridge circuit that is used for bridging a CardBus and an IEEE1394 bus.

[Claim 19] 19. A peripheral device capable of being connected to an interface port of an electronic device host, the peripheral device comprising:
a connector having a plurality of pins for connecting the interface port of the electronic device host;
a hub controller electrically connected to the connector;
an application module electrically connected to the hub controller; and
a storage module electrically connected to the hub controller for storing data, the storage module comprising:

a storage unit used for storing a firmware that can drive the storage module to simulate an autorun function of an optical disc drive to install the driver in the electronic device host.

[Claim 20] 20. A peripheral device capable of being connected to an interface port of a host, the peripheral device comprising:
a connector having a plurality of pins for connecting the interface port of the host;
a hub controller electrically connected to the connector; and

a storage module electrically connected to the hub controller for storing data, the storage module comprising:

a storage unit used for storing a firmware that can drive the storage module to simulate an autorun function of an optical disc drive, and the host can automatically run the driver from the storage module through the autorun function;

wherein the storage module stores a device driver of the peripheral device in advance, and the host retrieves the device driver from the storage module when the peripheral device is connected to the interface port for a first time.